

What is claimed is:

1. Installation equipment for mounting a display main body onto an installation surface, comprising:
 - a link assembly including a first link having a first end rotatably attached to the installation surface, a second link having a first end rotatably attached to the display main body and a second end rotatably attached to a second end of the second link, and a spring member provided in at least one joint area of the first and second links and elastically biasing the display main body toward a wall;
 - a lower supporting bracket attached to the installation surface and rotatably supporting a lower back of the display main body; and
 - an upper supporting bracket attached to the installation surface and supporting the link assembly.
2. The installation equipment according to claim 1, wherein the upper supporting bracket is rotatably attached to the first end of the second link.
3. The installation equipment according to claim 1, further comprising:
 - an upper main bracket detachably attached to an upper back of the display main body and rotatably attached to the first end of the second link; and
 - a lower main bracket detachably attached to the lower back of the display main body and rotatably attached to the lower supporting bracket.
4. The installation equipment according to claim 1, wherein the link assembly further includes a friction part provided in a joint area between the first and second links and resisting rotation between the first and second links.
5. The installation equipment according to claim 4, wherein a resisting force of the friction part is stronger than an elastic force of the spring member.
6. The installation equipment according to claim 5, wherein the spring member includes a torsion spring having a first end coupled to the first link and a second end coupled to the second link.

7. The installation equipment according to claim 6, wherein the friction part includes a bolt passing through the torsion spring and the joint area between the first and second links, a nut matching with the bolt, and at least one washer interposed between the bolt and the nut.

8. The installation equipment according to claim 3, wherein the upper and lower main brackets are formed with projection holding parts in correspondence to a plurality of projections provided in a back of the display main body.

9. The installation equipment according to claim 8, wherein the projections each include a shank part protruding from the back of the display main body and a head part formed on an end of the shank part and having a larger diameter than the shank part, and

the projection holding parts include an upper part larger than the head part of the projections, and a lower part smaller than the head part and larger than the shank part of the projections.

10. The installation equipment according to claim 9, wherein the upper and lower main brackets each further include a safety bolt to prevent the display main body from breaking away from the upper and lower main brackets due to an external force and a safety bolt hole to which the safety bolt is attached to the projection holding part.

11. Installation equipment for mounting a display main body onto an installation surface, comprising:

an upper main bracket attached to the installation surface and detachably attached to an upper back of the display main body; and

a lower main bracket attached to the installation surface and detachably attached to a lower back of the display main body.

12. The installation equipment according to claim 11, wherein the upper and lower main brackets are formed with projection holding parts in correspondence to a plurality of projections provided in a back of the display main body.

13. The installation equipment according to claim 12, wherein the projections each include a shank part protruding from the back of the display main body, and a head part formed on an end of the shank part and having a larger diameter than the shank part, and

the projection holding parts each include an upper part larger than the head part of the projection and a lower part smaller than the head part and larger than the shank part of the projection.

14. The installation equipment according to claim 13, wherein the upper and lower main brackets each further include a safety bolt to prevent the display main body from breaking away from the upper and lower main brackets due to an external force and a safety bolt hole through which the safety bolt is attached to the projection holding part.

15. A jig for installing the installation equipment of claim 1 onto an installation surface, comprising:

a jig frame shaped like a plate; and
at least one pair of supporting arms including a first part attached to opposite end parts of the jig frame, and a second part detachably attached to the installation equipment, respectively.

16. The jig according to claim 15, wherein the first part of the supporting arm is rotatably attached to the jig frame.

17. The jig according to claim 16, wherein one of the supporting arm and the jig frame is formed with a first arc-shaped slot and guiding rotation of the supporting arm relative to the jig frame within a predetermined angle; and

the other one of the supporting arm and the jig frame is formed with a second slot that is provided with a guide projection inserted into the second slot and guided by a shape of the second slot.

18. The jig according to claim 15, wherein the second part of the supporting arm is provided with a combining projection part protruding in correspondence with a projection holding part of the installation equipment.

19. The jig according to claim 18, wherein the combining projection part includes three magnetic projections.

20. The jig according to claim 15, wherein the supporting arms are provided as a pair

in opposite end parts of the jig frame.

21. A jig for installing the installation equipment of claim 11 onto the installation surface, comprising:

a jig frame shaped like a plate; and

at least one pair of supporting arms including a first part attached to opposite end parts of the jig frame, and a second part detachably attached to the installation equipment, respectively.

22. The jig according to claim 21, wherein the first part of the supporting arm is rotatably attached to the jig frame.

23. The jig according to claim 22, wherein one of the supporting arm and the jig frame is formed with a first slot shaped like an arc and guiding rotation of the supporting arm relative to the jig frame within a predetermined angle; and

the other one of the supporting arm and the jig frame is formed with a second slot that is provided with a guide projection inserted into the second slot and guided by a shape of the second slot.

24. The jig according to claim 21, wherein the second part of the supporting arm is provided with a combining projection part protruding in correspondence with a projection holding part of the installation equipment.

25. The jig according to claim 24, wherein the combining projection part includes three magnetic projections.

26. The jig according to claim 21, wherein the supporting arms are provided as a pair in opposite end parts of the jig frame.

27. Installation equipment for mounting a display main body onto an installation surface, comprising:

an upper bracket attached to the installation surface and rotatably attached to a torsion spring link assembly that is rotatably detachably attached to an upper back of the display main body; and

a lower bracket attached to the installation surface and rotatably detachably attached to a lower back of the display main body.

28. The installation equipment according to claim 27, further comprising another upper bracket attached to the installation surface so that the upper bracket and another upper bracket are arranged horizontally with respect to each other.

29. The installation equipment according to claim 27, further comprising another lower bracket attached to the installation surface so that the lower bracket and another lower bracket are arranged horizontally with respect to each other.

30. A jig for installing the installation equipment of claim 27 onto an installation surface, comprising:

a jig frame shaped like a plate; and

at least one pair of supporting arms including a first part attached to opposite end parts of the jig frame, and a second part detachably attached to the installation equipment, respectively.

31. A method of mounting a display main body onto an installation surface, comprising:

attaching an upper bracket to the installation surface;

attaching, detachably and rotatably, the upper bracket to a torsion spring link assembly that is rotatably detachably attached to an upper back of the display main body;

attaching a lower bracket to the installation surface; and

attaching, detachably and rotatably, the lower bracket to a lower back of the display main body.